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OSA-1860-9-74

13 SEP 1973

MEMORANDUM FOR: Director of Logistics

SUBJECT: Disposal of Project AQUILINE Assets

1. As you are aware Project AQUILINE was terminated as an Office of Special Activities program in June 1972. Since then residual AQUILINE materials have been stored at Area 51 for potential use by future Agency projects. Until recently no firm interest in these assets has been forthcoming from either Agency or DoD components.

2. The U. S. Army Electronics Command now has a valid requirement for this remaining hardware and contractor documentation for application in its Remotely Piloted Vehicles (RPV) programs. It is recommended that the AQUILINE assets be transferred to the U. S. Army on a non-reimbursable basis with the Army paying for shipping costs only.

3. Request your concurrence in transferring AQUILINE materials detailed in the attachment to this memorandum to the U. S. Army Electronics Command.

[redacted]

WENDELL L. BEVAN, JR.
Director of Special Activities

Attachment

CONCUR:

[redacted]

Director of Logistics

30 SEP 1974
Date

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OL 4 4819
E2 IMPDET
CL BY [redacted]

A/D/M/OSA [redacted] (5740)
Distribution:
Orig - D/M/OSA via D/L
2 - D/L
1 - D/M/OSA Chrono w/o att
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LOGISTICAL SUPPORT REQUIREMENTS

1. The Logistical Support structure invisioned for this project will rely almost exclusively on the Prime and Associate contractors for hardware, spares, maintenance technicians, and engineering support. Primary maintenance of major structural components, systems, black boxes, and ground support equipment will be accomplished at contractor facilities. A limited maintenance capability will be established at Site A, however, maintenance performed at Site A and at other forward bases or launch points will basically follow the "remove and replace" concept of systems, subsystems, and components as appropriate. Support requirements, under this concept, would necessitate development of an AQUILINE Support Kit which would contain spares, system components, and other hardware consistent with the established maintenance capability at Site A or forward operating locations. It should be emphasized that this kit would not only support test and training requirements at Site A, but would also be utilized as the basic package for support of operational deployments. Additionally, two recovery packages will require development to support operational missions, as now invisioned. A recovery package will be required at designated recovery points to support operational missions and also, a second recovery package will be required at the launch point to permit recapture should an abort be necessary subsequent to launch. These packages would also be utilized to effect recovery of test and training missions launched from Site A.

2. Implementation of four basic programs will be required to develop a logistical posture capable of supporting test, training, and operational missions. The programs are designed to provide necessary data and information upon which future support requirements, for a given level of program activity, may be realistically predicted. Specifically these programs are:

a. Maintenance Documentation and Control Program: This program would be designed to provide a historical record of routine maintenance actions on applicable equipment. Items reported would include repair actions, failures, cause and corrective actions, pre/post flight inspection results, modifications, current status and configuration.

b. Reliability and Failure Analysis Program: This program would involve detailed analysis and test of the vehicle, systems, sub-systems, and components to provide documented bases for prediction of"expected life". Additional investigation of reported equipment failures, the attendant causes, required corrective actions, failure trends, etc. would be reported and provide data relative to improvements necessary to attain desired or established reliability goals for operational readiness.

c. Property Accounting and Inventory Control Program: This program would provide a chronological and historical record of project assets, from acquisition thru final disposition. Data to be recorded, and reported, will include quantity ordered/due-in, current asset inventory, location(s),

COST, PART NUMBER, DISCRIPTION, SOURCE, anticipated lead time for procurement, configuration, and disposal action. This ~~data~~ program would provide consumption data for determination of future budgetary requirements, follow-on spares requirements, and configuration/ modification requirements necessary to support given levels of operation.

d. Configuration Control Program: This program would establish a means for control or approval of changes, alterations, and modifications to project assets. It would provide a documented record of item status in relation to an established baseline or standard. Utilizing data from the other programs defined, this program would provide a management tool to assist in determination of budgetary requirements as related to maintenance of commonality of project assets, fund availability and establishment of priority for modifications as required to support any given project activity.

3. Once implemented, the above programs would provide management tools that could be utilized for asset management, prediction of budgetary requirements, and a ready view of logistical capability for support of test, training, and operational missions of this program.